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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/660,581

09/12/2003

Hiroshi Iida

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07/03/2007

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ALEXANDRIA, VA 22320

EXAMINER

SMITH, GARRETT A

ART UNIT

PAPER NUMBER

2169

MAIL DATE

DELIVERY MODE

07/03/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<p align="center">Office Action Summary</p>	Application No. 10/660,581	Applicant(s) IIDA, HIROSHI	
	Examiner Garrett A. Smith	Art Unit 2169	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3 November 2003</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office action is regarding the Application filed **12 September 2003**. Claims 1 – 17 are pending.

Information Disclosure Statement

2. The information disclosure statement (IDS) was submitted on 3 November 2003. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the Examiner is considering the information disclosure statement.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

4. The disclosure is objected to because of the following informalities:
 - a. On page 7, line 23 of the instant specification, "client terminal 10" should be changed to "client terminal 14", as reference character 10 refers to the document processing system.
 - b. On page 7, line 25 of the instant specification, "instruction form creation server 30" should be changed to "instruction form creation server 18."
 - c. On page 9, line 26 of the instant specification, "instruction form creation image 30" should be changed to "instruction form creation image 26."

- d. On page 12, line 27 of the instant specification, "cooperation process server 50" should be changed to "cooperation process server 22."
- e. On page 14, line 17 of the instant specification, "instruction form creation server 30" should be changed to "instruction form creation server 18."
- f. On page 17, line 27 of the instant specification, "cooperation process server 50" should be changed to "cooperation process server 22."

Appropriate correction is required.

Drawings

- 5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "24A" has been used to designate both image processor and a CPU. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
- 6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "24B" has been used to designate both document

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management server and ROM. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "24C" has been used to designate both document distribution server and RAM. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

8. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "24D" has been used to designate both a first processor

and a UI. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

9. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "24E" has been used to designate both a second service processor and a bus. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

10. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the

description: A241 (page 19, line 21); B242 (page 19, line 21); C243 (page 19, line 21).

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

11. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

12. Claims 1 – 17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

13. Claim 1 recites the limitation "the own device" in line 3. There is insufficient antecedent basis for this limitation in the claim. The Examiner is also unclear what an "own device" is as the specification does not illuminate clearly what is meant by this term. However, for the purposes of examination, the Examiner will take "own device" as a "device".

Claim Rejections - 35 USC § 102

14. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

15. **Claims 1 – 17**, as well as understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Johnson et al (US Patent 5,813,009, patent date of 22 September 1998).

16. In regard to **claim 1**, Johnson et al teaches a storage part which stores source data before a process in the own device in relation to identifying information to identify cooperation of services (*col 7, lines 44 – 47; routing of information and recognize source/destination of information*); and a control part which controls the storage based on setting information which presets whether the source data should be stored or not (*col 11, lines 29 – 40; the information filter sets retention flags*).

17. In regard to **claim 2**, Johnson et al further teaches the storage part stores own device identifying information with further relationship when the identifying information is different from the own device identifying information to identify the service in the own device (*col 10, lines 26 – 30; the filter maintains information about the device the data came from*).

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18. In regard to **claim 3**, Johnson et al further teaches the storage part stores the source data, which is encrypted depending on a predetermined setting of encryption (*col 20, lines 43 – 44; encryption is optional*).

19. In regard to **claim 4**, Johnson et al further teaches the service processor (*col 7, lines 44 – 47; routing of information and recognize source/destination of information and col 11, lines 29 – 40; the information filter sets retention flags*); and a storage device which stores the source data stored in the storage part (*Special Handling module (22), Information Filter (fig 1A) and ILM database (fig 1C)*).

20. In regard to **claim 5**, Johnson et al further teaches the storage device obtains and stores the source data in relation to the identifying information stored in the storage part of the service processor at a predetermined threshold value or a predetermined timing (*col 11, lines 47 – 48; the Special Handling module has a specified retention period for data within*).

21. In regard to **claim 6**, Johnson et al further teaches the storage device stores differential information before and after the processes as the source data among service processors (*col 12, lines 16 – 19; record data is stored about information “before” and “after” information is sent to the ILM database*).

22. In regard to **claim 7**, Johnson et al further teaches processing services to perform, in cooperation, processes on document data according to a process content among plural service processors connected to a network (*see figures 1A, 1B, and 1C*); and storing source data before the process in the service processor in a predetermined storage area in relation to identifying information to identify cooperation of the service

based on setting information which is preset to decide whether the source data included in the process content should be stored or not (*col 11, lines 29 – 40; the information filter sets retention flags*).

23. In regard to **claim 8**, Johnson et al further teaches own device identifying information is stored in the storage area with further relationship when the identifying information is different from the own device identifying information to identify the service in the service processor (*col 10, lines 26 – 30; the filter maintains information about the device the data came from*).

24. In regard to **claim 9**, Johnson et al further teaches the source data is encrypted depending on a setting of encryption included in the process contents and is then stored in the storage area (*col 20, lines 43 – 44; encryption is optional*).

25. In regard to **claim 10**, Johnson et al further teaches the storage area is the service processor (*Information Filter (fig 1A)*).

26. In regard to **claim 11**, Johnson et al further teaches the storage area is the storage device connected to the network (*ILM database (fig 1B)*).

27. In regard to **claim 12**, Johnson et al further teaches the source data to be stored stores differential information before and after the processes as the source data among the service processors (*col 12, lines 16 – 19; record data is stored about information “before” and “after” information is sent to the ILM database*).

28. In regard to **claim 13**, Johnson et al teaches a storage part which stores source data before a process in the own device in relation to identifying information to identify cooperation of services based on setting information which presets whether the source

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data should be stored or not (*col 11, lines 29 – 40; the information filter sets retention flags*).

29. In regard to **claim 14**, Johnson et al teaches a storage provided to a service domain, the storage storing a source data to be processed at the service domain with a data for defining the services; and a controller that controls whether the storage should store the source data or not in accordance with a preset data (*col 11, lines 29 – 40; the information filter sets retention flags*).

30. In regard to **claim 15**, Johnson et al further teaches the storage stores the source data with a self-identifying data for identifying a service to be processed at the service domain (*col 11, lines 29 – 40; data is stored to identify a service to be performed later*).

31. In regard to **claim 16**, Johnson et al further teaches the preset data including an encrypting setting (*col 20, lines 43 – 44; encryption is optional*).

32. In regard to **claim 17**, Johnson et al further teaches a main storage that stores the source data stored in the storage (*Special Handling module (22), Information Filter (fig 1A) and ILM database (fig 1C)*).

Conclusion

33. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: US 3582897 A; US 6259447 B1.

34. The Examiner requests, in response to this Office action, that support be shown for language added to any original claims on amendment and any new claims. That is, indicate support for newly added claim language by specifically pointing to page(s) and line no(s) in the specification and/or drawing figure(s). This will assist the Examiner in prosecuting the application.

35. When responding to this Office action, Applicant is advised to clearly point out the patentable novelty which he or she thinks the claims present, in view of the state of the art disclosed by the references cited or the objections made. He or she must also show how the amendments avoid such references or objections See 37 CFR 1.111(c).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Garrett A. Smith whose telephone number is (571) 270-1764. The examiner can normally be reached on Mon - Fri, 8:30 AM - 6:00 PM EST, Alt Fri Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christian Chace can be reached on (571) 272-4190. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

June 20, 2007



Garrett Smith
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Art Unit 2169



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